

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 22, 2004, 09:28:50 / Search time 32 seconds  
(without alignments)  
735.670 Million cell updates/sec

Title: US-09-905-589a-2  
Perfect score: 2364  
Sequence: 1 MKRISNHGSLRVAKAYPLUG.....ALGAIHYIDSLNRKSPAS 456

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Issued Parents AA:  
1: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2364	100.0	456	4	US-09-240-639-2 / CD39-Like
2	2364	100.0	484	4	US-09-608-285A-2 / CD39-Like
3	2364	100.0	484	4	US-09-370-265-27 / CD39-Like
4	2364	100.0	484	4	US-09-557-800C-27 / CD39-Like
5	2364	100.0	484	4	US-09-370-625A-27 / CD39-Like
6	2003	84.7	471	4	US-09-608-285A-60 / CD39-Like
7	999	42.3	428	4	US-09-608-285A-3
8	999	42.3	428	4	US-09-608-285A-5
9	999	42.3	428	4	US-09-240-639-6
10	999	42.3	428	4	US-09-240-639-9
11	999	42.3	428	4	US-09-350-836B-3
12	999	42.3	428	4	US-09-350-836B-5
13	999	42.3	428	4	US-09-370-265-3
14	999	42.3	428	4	US-09-370-265-5
15	999	42.3	428	4	US-09-557-800C-3
16	999	42.3	428	4	US-09-557-800C-5
17	999	42.3	428	4	US-09-370-625A-3
18	999	42.3	428	4	US-09-370-625A-5
19	999	42.3	428	4	US-09-608-285A-7
20	996	42.1	428	4	US-09-350-836B-7
21	996	42.1	428	4	US-09-370-265-7
22	996	42.1	428	4	US-09-557-800C-7
23	996	42.1	428	4	US-09-370-625A-7
24	909	38.5	405	4	US-09-608-285A-25
25	909	38.5	405	4	US-09-370-265-25
26	909	38.5	405	4	US-09-557-800C-25
27	909	38.5	405	4	US-09-370-625A-25

28	909	38.5	465	4	US-09-557-800C-56	Sequence 56, Appl
29	909	38.5	465	4	US-09-370-625A-39	Sequence 39, Appl
30	904	38.2	465	4	US-09-240-639-8	Sequence 8, Appl
31	525.5	22.2	467	4	US-09-129-112-19	Sequence 19, Appl
32	506	21.4	462	4	US-09-129-112-2	Sequence 2, Appl
33	501	21.2	459	4	US-09-129-112-9	Sequence 9, Appl
34	485	20.5	454	4	US-09-240-639-11	Sequence 11, Appl
35	466	19.7	473	4	US-09-240-639-12	Sequence 12, Appl
36	463	19.6	462	4	US-09-129-112-15	Sequence 15, Appl
37	442.5	18.7	455	4	US-09-240-639-10	Sequence 10, Appl
38	314.5	13.3	529	4	US-09-240-639-4	Sequence 4, Appl
39	285.5	12.1	502	4	US-09-557-800C-55	Sequence 55, Appl
40	285.5	12.1	502	4	US-09-370-625A-38	Sequence 38, Appl
41	285.5	12.1	510	3	US-08-930-921-1	Sequence 1, Appl
42	216.5	9.2	148	4	US-09-240-639-17	Sequence 17, Appl
43	184	7.8	150	4	US-09-240-639-16	Sequence 16, Appl
44	183.5	7.8	154	4	US-09-240-639-14	Sequence 14, Appl
45	175.5	7.4	153	4	US-09-240-639-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1  
US-09-240-639-2  
Sequence 2, Application US/09240639

Patent No. 6350447  
GENERAL INFORMATION:  
APPLICANT: Chadwick, Brian Paul  
APPLICANT: Frischaut, Anna-Maria  
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE  
FILE REFERENCE: 9598-066  
CURRENT APPLICATION NUMBER: US/09/240,639  
CURRENT FILING DATE: 1998-01-29  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 456  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-240-639-2

Query Match  
Best Local Similarity 100.0%; Score 2364; DB 4; Length 456;  
Pred. No. 5.8e-240; Indels 0; Gaps 0;  
Matches 456; Conservative 0; Mismatches 0

QY	1	MRKISNHGSLRVAKAYPLUGLCVGVFIYVAYIKHRAATATGAFPSITRAFGARWGOAH	60
DB	1	MRKISNHGSLRVAKAYPLUGLCVGVFIYVAYIKHRAATATGAFPSITRAFGARWGOAH	60
QY	61	SLPGAAGHVEVFGIMPDAGSTGRVHPQFTPPREPTLTETPFKAVRPG:SAVAD	120
DB	61	SLPGAAGHVEVFGIMPDAGSTGRVHPQFTPPREPTLTETPFKAVRPG:SAVAD	120
QY	121	VEKSAQGIREDLDAKODIPDFWKATPLVKATAGLRLBGRKAKLQKVEFKASP	180
DB	121	VEKSAQGIREDLDAKODIPDFWKATPLVKATAGLRLBGRKAKLQKVEFKASP	180
QY	181	FLVGDGCVSINMGTEGVSAMITINFLGSLKTGGSSVGLDGGSTQIAFLPRVGT	240
DB	181	FLVGDGCVSINMGTEGVSAMITINFLGSLKTGGSSVGLDGGSTQIAFLPRVGT	240
QY	241	LOASPPGVLTAIRMENRTYKLYSYSLGLGMSARLALIGVEGQPAADGKELVSPC:SP	300
DB	241	LOASPPGVLTAIRMENRTYKLYSYSLGLGMSARLALIGVEGQPAADGKELVSPC:SP	300
QY	301	SKFGMEHAETVYRVSQGAASLHELCAARVEYLQNRVHRTBEVKAVDYASYYDL	360
DB	301	SKFGMEHAETVYRVSQGAASLHELCAARVEYLQNRVHRTBEVKAVDYASYYDL	360
QY	361	AAGVGLIAEKGGSLVVDDEFIAKVCRTLETQPOSSPFCMDLTVYSLLOEGFPRS	420
DB	361	AAGVGLIAEKGGSLVVDDEFIAKVCRTLETQPOSSPFCMDLTVYSLLOEGFPRS	420

Db 361 AAGVGLDAKGGSLVVGDEFEIAKVCRTLETPOQSPSCMDLTVVSLILOEFGFPRS 420  
QY 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRQKSPAS 456  
Db 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRQKSPAS 456

## RESULT 2

US-09-608-285A-27  
Sequence 27, Application US/09608285A  
Patent No. 6335013  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Muleto, Julio  
APPLICANT: Yeung, George  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
FILE REFERENCE: 28110/36570  
CURRENT APPLICATION NUMBER: US/09/608,285A  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 09/583,231  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 60  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-608-285A-27

Query Match 100.0%; Score 2364; DB 4; Length 484;  
Best Local Similarity 100.0%; Pred. No. 6,4e-240;  
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHSRLRAKVAAPPLGCVGVFIYVAYIKMHRATATQAFSSITRAAPGARWGQAH 60  
Db 29 MRKISNHSRLRAKVAAPPLGCVGVFIYVAYIKMHRATATQAFSSITRAAPGARWGQAH 88  
QY 61 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTPRPREPTTLTHEFKAVKQLSAVAD 120  
Db 89 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTPRPREPTTLTHEFKAVKQLSAVAD 148  
QY 121 VESAOGIRELLDVAKODIPDFWKATPLVKATAGRLPGKAKOXLQKVEVFKASP 180  
Db 149 VESAOGIRELLDVAKODIPDFWKATPLVKATAGRLPGKAKOXLQKVEVFKASP 208  
QY 181 FLVDDCVSINMGTDGVSAMITINFLTGLSKTPGSSVGMDLGGGSTQIAFLPRVEGT 240  
Db 209 FLVDDCVSINMGTDGVSAMITINFLTGLSKTPGSSVGMDLGGGSTQIAFLPRVEGT 268  
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKDGEKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKDGEKELVSPCLSP 328  
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTVEVAVDFYAFSYTYDL 360

Db 329 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTVEVAVDFYAFSYTYDL 368  
QY 361 AAGVGLDAKGGSLVVGDEFEIAKVCRTLETPOQSPSCMDLTVVSLILOEFGFPRS 420  
Db 369 AAGVGLDAKGGSLVVGDEFEIAKVCRTLETPOQSPSCMDLTVVSLILOEFGFPRS 448  
QY 421 KVLKTRKIDNVTSMALGAIFFHYIDSLNRQKSPAS 456  
Db 449 KVLKTRKIDNVTSMALGAIFFHYIDSLNRQKSPAS 484

## RESULT 3

US-09-370-265-27  
Sequence 27, Application US/09370265  
Patent No. 6447771  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Muleto, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
FILE REFERENCE: 28111/35908  
CURRENT APPLICATION NUMBER: US/09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 37  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 484  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-370-265-27

Query Match 100.0%; Score 2364; DB 4; Length 484;  
Best Local Similarity 100.0%; Pred. No. 6,4e-240;  
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHSRLRAKVAAPPLGCVGVFIYVAYIKMHRATATQAFSSITRAAPGARWGQAH 60  
Db 29 MRKISNHSRLRAKVAAPPLGCVGVFIYVAYIKMHRATATQAFSSITRAAPGARWGQAH 88  
QY 61 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTPRPREPTTLTHEFKAVKQLSAVAD 120  
Db 89 SPLGTADGHEVFGYIMFDAGSTGTRVHVQFTPRPREPTTLTHEFKAVKQLSAVAD 148  
QY 121 VESAOGIRELLDVAKODIPDFWKATPLVKATAGRLPGKAKOXLQKVEVFKASP 180  
Db 149 VESAOGIRELLDVAKODIPDFWKATPLVKATAGRLPGKAKOXLQKVEVFKASP 208  
QY 181 FLVDDCVSINMGTDGVSAMITINFLTGLSKTPGSSVGMDLGGGSTQIAFLPRVEGT 240  
Db 209 FLVDDCVSINMGTDGVSAMITINFLTGLSKTPGSSVGMDLGGGSTQIAFLPRVEGT 268  
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKDGEKELVSPCLSP 300  
Db 269 LQASPPGYLTALRMFNRTYLYSYSLGGLMSARLALIGVGGOPAKDGEKELVSPCLSP 328  
QY 301 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTVEVAVDFYAFSYTYDL 360  
Db 329 SFKGEWEHAETVTVVSGQKAAASLHELCAARVSEVLQNRVHRTVEVAVDFYAFSYTYDL 388  
QY 361 AAGVGLDAKGGSLVVGDEFEIAKVCRTLETPOQSPSCMDLTVVSLILOEFGFPRS 420

Db 389 AAGVGLIDAEKGGSLVVDGFEIARAYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448  
 QY 421 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 456  
 Db 449 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

## RESULT 4

US-09-557-800C-27  
 ; Sequence 27, Application US/09557800C  
 ; Patent No. 6476211  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; APPLICANT: Yeung, George  
 ; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
 ; TITLE OF INVENTION: Polypeptides  
 ; FILE REFERENCE: 28110/36457  
 ; CURRENT APPLICATION NUMBER: US/09/557,800C  
 ; PRIOR FILING DATE: 2000-04-25  
 ; PRIOR APPLICATION NUMBER: 09/481,238  
 ; PRIOR FILING DATE: 2000-01-11  
 ; PRIOR APPLICATION NUMBER: 09/370,265  
 ; PRIOR FILING DATE: 1999-08-09  
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180  
 ; PRIOR FILING DATE: 1999-07-16  
 ; PRIOR APPLICATION NUMBER: 09/350836  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: 09/273447  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 09/122449  
 ; PRIOR FILING DATE: 1998-07-24  
 ; PRIOR APPLICATION NUMBER: 09/244444  
 ; PRIOR FILING DATE: 1999-02-04  
 ; PRIOR APPLICATION NUMBER: 09/118,205  
 ; PRIOR FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 56  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 27  
 ; LENGTH: 484  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-557-800C-27

Query Match 100.0%; Score 2364; DB 4; Length 484;

Best Local Similarity 100.0%; Pred. No. 6,4e-240; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFSITRAAPGARWGQAAH 60  
 Db 29 MKKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFSITRAAPGARWGQAAH 88  
 QY 61 SPLGTADGHEVFGYIMFDAGSTGRVAVFOFTPRPREPTLTHTETFAVKRGLSAVAD 120  
 Db 89 SPLGTADGHEVFGYIMFDAGSTGRVAVFOFTPRPREPTLTHTETFAVKRGLSAVAD 148  
 QY 121 VERKSAOGIRELLDVAKODIPDFWKATPLVLTATGALLPGEKAKLLOKVEYFKASP 180  
 Db 149 VERKSAOGIRELLDVAKODIPDFWKATPLVLTATGALLPGEKAKLLOKVEYFKASP 208  
 QY 181 FLVGDCCVSINMGTEGVSAMITINFLTGSILTPGSSVGMULDGGSTQIAFLPRVEGT 240  
 Db 209 FLVGDCCVSINMGTEGVSAMITINFLTGSILTPGSSVGMULDGGSTQIAFLPRVEGT 268  
 QY 241 LQASPPGYLTALRMFNRTYKLYSYLGIGMSARLAILGVEGQAPADGKELVSPCLSP 300  
 Db 269 LQASPPGYLTALRMFNRTYKLYSYLGIGMSARLAILGVEGQAPADGKELVSPCLSP 328  
 QY 301 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 360  
 Db 329 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 388

QY 361 AAGVGLIDAEKGGSLVVDGFEIARAYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 420  
 Db 389 AAGVGLIDAEKGGSLVVDGFEIARAYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448  
 QY 421 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 456  
 Db 449 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

## RESULT 5

US-09-370-625A-27  
 ; Sequence 27, Application US/09370625A  
 ; Patent No. 660032  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; APPLICANT: Yeung, George  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
 ; FILE REFERENCE: 28110/35908  
 ; CURRENT APPLICATION NUMBER: US/09/370,625A  
 ; PRIOR FILING DATE: 1999-08-09  
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180  
 ; PRIOR FILING DATE: 1999-07-16  
 ; PRIOR APPLICATION NUMBER: 09/350,836  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: 09/273,447  
 ; PRIOR FILING DATE: 1999-03-19  
 ; NUMBER OF SEQ ID NOS: 39  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 27  
 ; LENGTH: 484  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-370-625A-27

Query Match 100.0%; Score 2364; DB 4; Length 484;

Best Local Similarity 100.0%; Pred. No. 6,4e-240; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFSITRAAPGARWGQAAH 60  
 Db 29 MKKISNHSIRVAKAYAPLGLCVGFIVAYIKMHRATATQAFSITRAAPGARWGQAAH 88  
 QY 61 SPLGTADGHEVFGYIMFDAGSTGRVAVFOFTPRPREPTLTHTETFAVKRGLSAVAD 120  
 Db 89 SPLGTADGHEVFGYIMFDAGSTGRVAVFOFTPRPREPTLTHTETFAVKRGLSAVAD 148  
 QY 121 VERKSAOGIRELLDVAKODIPDFWKATPLVLTATGALLPGEKAKLLOKVEYFKASP 180  
 Db 149 VERKSAOGIRELLDVAKODIPDFWKATPLVLTATGALLPGEKAKLLOKVEYFKASP 208  
 QY 181 FLVGDCCVSINMGTEGVSAMITINFLTGSILTPGSSVGMULDGGSTQIAFLPRVEGT 240  
 Db 209 FLVGDCCVSINMGTEGVSAMITINFLTGSILTPGSSVGMULDGGSTQIAFLPRVEGT 268  
 QY 241 LQASPPGYLTALRMFNRTYKLYSYLGIGMSARLAILGVEGQAPADGKELVSPCLSP 300  
 Db 269 LQASPPGYLTALRMFNRTYKLYSYLGIGMSARLAILGVEGQAPADGKELVSPCLSP 328  
 QY 301 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 360  
 Db 329 SFKGEWHAETVYRVSGQKAAASLHELCAARVSEVLQNRVHRTTEVKHVDFFAFSYYYDL 388  
 QY 361 AAGVGLIDAEKGGSLVVDGFEIARAYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 420  
 Db 389 AAGVGLIDAEKGGSLVVDGFEIARAYCRITLETQPOSSPFCMDLTYVSLLOEFGFPRS 448  
 QY 421 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 456  
 Db 449 KYLKLTRKIDNVEISMALGAIFFHYIDSINROKSPAS 484

RESULT 6  
 US-09-608-285A-60

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/ Sequence 60, Application US/09608285A
/ Patent No. 6335013
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ APPLICANT: Mulero, Julio
/ APPLICANT: Yeung, George
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
/ TITLE OF INVENTION: POLYPEPTIDES
/ FILE REFERENCE: 28110/36570
/ CURRENT APPLICATION NUMBER: US/09/608,285A
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: 09/583,231
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350,836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 60
/ LENGTH: 471
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-608-285A-60

Query Match      84.7%; Score 2003; DB 4; Length 471;
Best Local Similarity 98.5%; Pred. No. 63e-202;
Matches 388; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 MRKISNGSLRVAKVAVPLGLCVGFPIYVAYIKMHRATATQAFSITTRAAPGARMCQAH 60
DB 29 MRKISNGSLRVAKVAVPLGLCVGFPIYVAYIKMHRATATQAFSITTRAAPGARMCQAH 88
QY 61 SPFGTADGHEVEFYGIMEDAGSTGRVHVFQFTRRPREPTLTHTETPKAVKPGLSAYAD 120
DB 89 SPFGTADGHEVEFYGIMEDAGSTGRVHVFQFTRRPREPTLTHTETPKAVKPGLSAYAD 148
QY 121 VEKSAQGIREDLDVAKODIPDFWKATPLVUKATAGRLLPGEKAQKLLQKXVEFKASP 180
DB 149 VEKSAQGIREDLDVAKODIPDFWKATPLVUKATAGRLLPGEKAQKLLQKXVEFKASP 208
QY 181 FLVDDCVSINNGTDEGVSAWITINPLTGLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 240
DB 209 FLVDDCVSINNGTDEGVSAWITINPLTGLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 268
QY 241 LQASPPGYLTALRMFNRTYKLSYSYGLGLMSARLLILGVEGQPAKDKELVSPCLSP 300
DB 269 LQASPPGYLTALRMFNRTYKLSYSYGLGLMSARLLILGVEGQPAKDKELVSPCLSP 328
QY 301 SFKGEWHAETVTVRSQKAAASLHELCAARVSEVLONRHRTEEVKXVDFTYFSTYYDL 360
DB 329 SFKGEWHAETVTVRSQKAAASLHELCAARVSEVLONRHRTEEVKXVDFTYFSTYYDL 388
QY 361 AAGVGLDAEKGSLLVGDPEIAKYVCRTLETO 394
DB 389 AAGVGLDAEKGSLLVGDPEIAKYVCRTLETO 422
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RESULT 7

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US-09-608-285A-3
/ Sequence 3, Application US/09608285A
/ Patent No. 6335013
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ APPLICANT: Mulero, Julio
/ APPLICANT: Yeung, George
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
/ TITLE OF INVENTION: POLYPEPTIDES
/ FILE REFERENCE: 28110/36570
/ CURRENT APPLICATION NUMBER: US/09/608,285A
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: 09/583,231
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 09/557,800
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: 09/481,238
/ PRIOR FILING DATE: 2000-01-11
/ PRIOR APPLICATION NUMBER: 09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350,836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 3
/ LENGTH: 428
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-608-285A-3

Query Match      42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTAADGHEVEFYGIMEDAGSTGRVHVFQFTRRPREPTLTHTETPKAVKPGLSAYAD 120
DB 40 PINVSA--STLYGIMPDAGSTGRVHVFQFTRRPREPTLTHTETPKAVKPGLSAYAD 96
QY 121 VEKSAQGIREDLDVAKODIPDFWKATPLVUKATAGRLLPGEKAQKLLQKXVEFKASP 180
DB 97 PKQGAETVQGLLEHAKOSIPSHHKKTPVLUKATAGRLLPGEKAQKLLQKXVEFKASP 156
QY 181 FLVDDCVSINNGTDEGVSAWITINPLTGLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 240
DB 157 FLVDDCVSINNGTDEGVSAWITINPLTGLSKTPGSSVGMULDIGGSTQIAPLPRVEGT 216
QY 241 LQASPPGYLTALRMFNRTYKLSYSYGLGLMSARLLILGVEGQPAKDKELVSPCLSP 300
DB 217 LEQTPRGYLTALRMFNRTYKLSYSYGLGLMSARLLILGVEGQPAKDKELVSPCLSP 275
QY 301 SFKGEWHAETVTVRSQKAAASLHELCAARVSEVLONRHRTEEVKXVDFTYFSTYYDL 360
DB 276 WLEAEWTFGVKYYGNGQGEVGFPCYAEVLAKVNGKLPREVGSGFYAFSTYYDR 335
QY 361 AAGVGLDAEKGSLLVGDPEIAKYVCRTLETOPOSSPSCMDLTVYSILLQE-RGFPR 419
DB 336 AVDTMDIDYERGGILTKYEDFERKAREVCNDINENTSGSPFLCWDLSYITALLKDGFGFAD 395
QY 420 SKVLKTRKIDNVTETSWALGAIFFYIDSL 448
DB 396 STVQLTKKXNITETGALGATFHLQSL 424
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Query Match          42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYIMFDASTGTRVHVPOFT-RPRPREPTLTHEFFKAVKGLSAYAD 120
DB 40 PINVSA---STLYGIMFDASTGTRIHVYTFVQKMGQQLILGSEVFDVKGLSAFVDQ 96
QY 121 VESAGGIRELLDVAKODIPDFEWKATPLVLTAKATAGRLILPGEKAOXLQKXEVFKASP 180
DB 97 PKGAEIVYQGLLEVAKDSIPRSHMKTPVLKATAGRLILPEKAKALLFEVKEIRKSP 156
QY 181 FLVDDQCVSINMGDEVSAMITINFLTGSKTGPGSSVGMULDGGSGTQIAFLPRVEGT 240
DB 157 FLVFKGSVSIIMDSDEGILAMVTVNPLTGLHGRQETVGLDGLGASQTITFLPQFEKT 216
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGILMSARLAILGGVEGQAPKDKELVSPCLSP 300
DB 217 LEQTPRGYLSFEMFNSTYLYTHSYGLFKARLALTGALETE-CTDGHTRRSACLPR 275
QY 301 SFKGEWEHAEVTVYVSGQKAAASLHELCAARVSEVLQNRVHRTVEVKNVDFYAFSYYYDL 360
DB 276 WLEAEWIFGVKYYQYGNQGEVGFECYAEVLRVVGRGLHQPEEVQSGSFYAFSYYYDR 335
QY 361 AAGVGLDAEKGSLLVVGDEFLIAKYCRTLETOPSPSPSCMDLTYSLLILOE-RGPR 419
DB 336 AVDTMDIDYERKGLIKVEDPERKAREVCNDNENFTSGSPPLCMDLSTITALKDGCFAD 395
QY 420 SKVLKTRKIDNVETSWALGAIFFHYDSL 448
DB 396 STVQLTKKYNNIETGALGATPHLLQSL 424

RESULT 11
US-09-350-836B-3
; Sequence 3, Application US/09350836B
; Patent No. 6387645
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
; FILE REFERENCE: 28110/35761
; CURRENT APPLICATION NUMBER: US/09/350,836B
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273,447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/244,444
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-350-836B-3

Query Match          42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYIMFDASTGTRVHVPOFT-RPRPREPTLTHEFFKAVKGLSAYAD 120
DB 40 PINVSA---STLYGIMFDASTGTRIHVYTFVQKMGQQLILGSEVFDVKGLSAFVDQ 96
QY 121 VESAGGIRELLDVAKODIPDFEWKATPLVLTAKATAGRLILPGEKAOXLQKXEVFKASP 180
DB 97 PKGAEIVYQGLLEVAKDSIPRSHMKTPVLKATAGRLILPEKAKALLFEVKEIRKSP 156

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QY 181 FLVDDCVSINMGDEVSAMITINFLTGSKTGPGSSVGMULDGGSGTQIAFLPRVEGT 240
DB 157 FLVFKGSVSIIMDSDEGILAMVTVNPLTGLHGRQETVGLDGLGASQTITFLPQFEKT 216
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGILMSARLAILGGVEGQAPKDKELVSPCLSP 300
DB 217 LEQTPRGYLSFEMFNSTYLYTHSYGLFKARLALTGALETE-CTDGHTRRSACLPR 275
QY 301 SFKGEWEHAEVTVYVSGQKAAASLHELCAARVSEVLQNRVHRTVEVKNVDFYAFSYYYDL 360
DB 276 WLEAEWIFGVKYYQYGNQGEVGFECYAEVLRVVGRGLHQPEEVQSGSFYAFSYYYDR 335
QY 361 AAGVGLDAEKGSLLVVGDEFLIAKYCRTLETOPSPSPSCMDLTYSLLILOE-RGPR 419
DB 336 AVDTMDIDYERKGLIKVEDPERKAREVCNDNENFTSGSPPLCMDLSTITALKDGCFAD 395
QY 420 SKVLKTRKIDNVETSWALGAIFFHYDSL 448
DB 396 STVQLTKKYNNIETGALGATPHLLQSL 424

RESULT 12
US-09-350-836B-5
; Sequence 5, Application US/09350836B
; Patent No. 6387645
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
; FILE REFERENCE: 28110/35761
; CURRENT APPLICATION NUMBER: US/09/350,836B
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273,447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/244,444
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-350-836B-5

Query Match          42.3%; Score 999; DB 4; Length 428;
Best Local Similarity 52.4%; Pred. No. 2.8e-96;
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYIMFDASTGTRVHVPOFT-RPRPREPTLTHEFFKAVKGLSAYAD 120
DB 40 PINVSA---STLYGIMFDASTGTRIHVYTFVQKMGQQLILGSEVFDVKGLSAFVDQ 96
QY 121 VESAGGIRELLDVAKODIPDFEWKATPLVLTAKATAGRLILPGEKAOXLQKXEVFKASP 180
DB 97 PKGAEIVYQGLLEVAKDSIPRSHMKTPVLKATAGRLILPEKAKALLFEVKEIRKSP 156
QY 181 FLVDDCVSINMGDEVSAMITINFLTGSKTGPGSSVGMULDGGSGTQIAFLPRVEGT 240
DB 157 FLVFKGSVSIIMDSDEGILAMVTVNPLTGLHGRQETVGLDGLGASQTITFLPQFEKT 216
QY 241 LQASPPGYLTALRMFNRTYLYSYSLGILMSARLAILGGVEGQAPKDKELVSPCLSP 300
DB 217 LEQTPRGYLSFEMFNSTYLYTHSYGLFKARLALTGALETE-CTDGHTRRSACLPR 275
QY 301 SFKGEWEHAEVTVYVSGQKAAASLHELCAARVSEVLQNRVHRTVEVKNVDFYAFSYYYDL 360
DB 276 WLEAEWIFGVKYYQYGNQGEVGFECYAEVLRVVGRGLHQPEEVQSGSFYAFSYYYDR 335

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QY 361 AAGVGLDAEKGSLLVGDPEIAKYCRTLETOPOSSPFCMDLTYVSLLOE-FCGPR 419  
 DB 336 AVDTMDIDYKGGILKVEDERKAREVCNLENFTSGSPFLCMDLSYITALKDGFGAD 395  
 QY 420 SKVLKLTTRKIDNVTETSWALGAIFFHYIDSL 448  
 DB 396 STVLQTLTKKVNNIETGALGATFHLLQSL 424

RESULT 13  
 US-09-370-265-3  
 ; Sequence 3, Application US/09370265  
 ; Patent No. 6447771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 ; FILE REFERENCE: 28111/35908  
 ; CURRENT APPLICATION NUMBER: US/09/370,265  
 ; EARLIER FILING DATE: 1999-08-09  
 ; EARLIER APPLICATION NUMBER: PCT/US99/16180  
 ; EARLIER FILING DATE: 1999-07-16  
 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/118,205  
 ; EARLIER FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 37  
 ; SOFTWARE: Patent In Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-370-265-3

Query Match 42.3%; Score 999; DB 4; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 2,8e-96;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYGIIMPDAAGSTGRVHVFOFT-RPPRETPLTHETFKAVKPGLSAYAD 120  
 DB 40 PINVSA---STLYGIMPDAGSTGRHIVTFVQKMGQPLLEGVFPDSVKBSAFVDQ 96  
 QY 121 VEKSAQGIREFLLDVAKQDIPDFWKATPLVLTAKATAGRLILGSEKAKQLLOKVEVFASP 180  
 DB 97 PKQGAETVQGLLEVAKDSIPRSHWKTTPVLTAKATAGRLILBEHKAKALLFEVKEIFRASP 156  
 QY 181 FLVGDGCVSINMGDEGVSAMITINFLTSGSLKTPGSSVGMULDGGSGTOIAFLPVEGT 240  
 DB 157 FLVPGKGSVSIINDSGDEGLAMVTAVNPLTQGLHGRQETVGLTDLGASSTQITFLPPEKT 216  
 QY 241 LQASPPGYLTALRMFNRTYKLYSVSYLGLGMSARLALIGVAGQAPAKGKELVSPCLSP 300  
 DB 217 LEQTPRGYLTSPFEMFNSTYKLYTHSYLGFGLKARLATLGALETE-GTDGHTFSACLPR 275  
 QY 301 SFKGEWEHAEVTVRVSQKKAASLHELCAARVSEVLOMRHRTREYKVDYAFASYVDL 360  
 DB 276 WLEAEWIFGKVKYQYGGNQGSEVGFEPCTAEVLAVVRGKLDHPEEVOGSGFVAFASYVD 335  
 QY 361 AAGVGLDAEKGSLLVGDPEIAKYCRTLETOPOSSPFCMDLTYVSLLOE-FCGPR 419  
 DB 336 AVDTMDIDYKGGILKVEDERKAREVCNLENFTSGSPFLCMDLSYITALKDGFGAD 395  
 QY 420 SKVLKLTTRKIDNVTETSWALGAIFFHYIDSL 448  
 DB 396 STVLQTLTKKVNNIETGALGATFHLLQSL 424

RESULT 14  
 US-09-370-265-5  
 ; Sequence 5, Application US/09370265  
 ; Patent No. 6447771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 ; FILE REFERENCE: 28111/35908  
 ; CURRENT APPLICATION NUMBER: US/09/370,265  
 ; EARLIER FILING DATE: 1999-08-09  
 ; EARLIER APPLICATION NUMBER: PCT/US99/16180  
 ; EARLIER FILING DATE: 1999-07-16  
 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/118,205  
 ; EARLIER FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 37  
 ; SOFTWARE: Patent In Ver. 2.0  
 ; SEQ ID NO 5  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-370-265-5

Query Match 42.3%; Score 999; DB 4; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 2,8e-96;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTADGHEVFYGIIMPDAAGSTGRVHVFOFT-RPPRETPLTHETFKAVKPGLSAYAD 120  
 DB 40 PINVSA---STLYGIMPDAGSTGRHIVTFVQKMGQPLLEGVFPDSVKBSAFVDQ 96  
 QY 121 VEKSAQGIREFLLDVAKQDIPDFWKATPLVLTAKATAGRLILGSEKAKQLLOKVEVFASP 180  
 DB 97 PKQGAETVQGLLEVAKDSIPRSHWKTTPVLTAKATAGRLILBEHKAKALLFEVKEIFRASP 156  
 QY 181 FLVGDGCVSINMGDEGVSAMITINFLTSGSLKTPGSSVGMULDGGSGTOIAFLPVEGT 240  
 DB 157 FLVPGKGSVSIINDSGDEGLAMVTAVNPLTQGLHGRQETVGLTDLGASSTQITFLPPEKT 216  
 QY 241 LQASPPGYLTALRMFNRTYKLYSVSYLGLGMSARLALIGVAGQAPAKGKELVSPCLSP 300  
 DB 217 LEQTPRGYLTSPFEMFNSTYKLYTHSYLGFGLKARLATLGALETE-GTDGHTFSACLPR 275  
 QY 301 SFKGEWEHAEVTVRVSQKKAASLHELCAARVSEVLOMRHRTREYKVDYAFASYVDL 360  
 DB 276 WLEAEWIFGKVKYQYGGNQGSEVGFEPCTAEVLAVVRGKLDHPEEVOGSGFVAFASYVD 335  
 QY 361 AAGVGLDAEKGSLLVGDPEIAKYCRTLETOPOSSPFCMDLTYVSLLOE-FCGPR 419  
 DB 336 AVDTMDIDYKGGILKVEDERKAREVCNLENFTSGSPFLCMDLSYITALKDGFGAD 395  
 QY 420 SKVLKLTTRKIDNVTETSWALGAIFFHYIDSL 448  
 DB 396 STVLQTLTKKVNNIETGALGATFHLLQSL 424

RESULT 15  
 US-09-557-800C-3  
 ; Sequence 3, Application US/09557800C  
 ; Patent No. 6476211  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John

APPLICANT: Mulero, Julio  
 APPLICANT: Yeung, George  
 TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
 TITLE OF INVENTION: Polypeptides  
 FILE REFERENCE: 28110/36457  
 CURRENT APPLICATION NUMBER: US/09/557,800C  
 CURRENT FILING DATE: 2000-04-25  
 PRIOR APPLICATION NUMBER: 09/481,238  
 PRIOR FILING DATE: 2000-01-11  
 PRIOR APPLICATION NUMBER: 09/370,265  
 PRIOR FILING DATE: 1999-08-09  
 PRIOR APPLICATION NUMBER: PCT/US99/16180  
 PRIOR FILING DATE: 1999-07-16  
 PRIOR APPLICATION NUMBER: 09/350836  
 PRIOR FILING DATE: 1999-07-09  
 PRIOR APPLICATION NUMBER: 09/273447  
 PRIOR FILING DATE: 1999-03-19  
 PRIOR APPLICATION NUMBER: 09/122449  
 PRIOR FILING DATE: 1998-07-24  
 PRIOR APPLICATION NUMBER: 09/244444  
 PRIOR FILING DATE: 1999-02-04  
 PRIOR APPLICATION NUMBER: 09/118,205  
 PRIOR FILING DATE: 1998-07-16  
 NUMBER OF SEQ ID NOS: 56  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 3  
 LENGTH: 428  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-557-800C-3





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Db      29  MRKISNHGSLRVAKVAPLGLCVGFIVYAYIKMHRATATQAFSITRAAPGARWGOAH 88
Qy      61  SPLGTADGHEVFYVGINFDAGSTGTRVHVFOFTRPREPTTLTHETFKAVKPGLSAYAD 120
Db      89  SPLGTADGHEVFYVGINFDAGSTGTRVHVFOFTRPREPTTLTHETFKAVKPGLSAYAD 148
Qy      121  VEKSAQIGIRELLDVAKODIPDFWKATPLVLRKATAGRLRLLPGEKAQKLQKVEVFKASP 180
Db      149  VEKSAQIGIRELLDVAKODIPDFWKATPLVLRKATAGRLRLLPGEKAQKLQKVEVFKASP 208
Qy      181  FLVDDCVSIMGNDDEGVSAWITINPLTGLSKTPGSSVGMDDLGGSTQIAFLPREVGT 240
Db      209  FLVDDCVSIMGNDDEGVSAWITINPLTGLSKTPGSSVGMDDLGGSTQIAFLPREVGT 268
Qy      241  LQASPPGYLTALRMFNRTYKLYSYSLGIGMSARLAILGVEGQAPKDGKELVSPCLSP 300
Db      269  LQASPPGYLTALRMFNRTYKLYSYSLGIGMSARLAILGVEGQAPKDGKELVSPCLSP 328
Qy      301  SFKGEWEHAEVTVRVSGOKAASLHELCAARVSEVLQNRVHRTBEVYKVDFFAFSYYYDL 360
Db      329  SFKGEWEHAEVTVRVSGOKAASLHELCAARVSEVLQNRVHRTBEVYKVDFFAFSYYYDL 388
Qy      361  AAGVGLIDAEKGSLLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 420
Db      389  AAGVGLIDAEKGSLLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 448
Qy      421  KVLKLRKIDNVTSMALGAIFFHYIDSLNRKSPAS 456
Db      449  KVLKLRKIDNVTSMALGAIFFHYIDSLNRKSPAS 484

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RESULT 2
US-10-286-926-27
; Sequence 27, Application US/10286926
; Publication No. US20030175752A1
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like
; FILE REFERENCE: 28110/36457CON
; CURRENT APPLICATION NUMBER: US/10/286,926
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: 09/557,800
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/481,238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/122449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/244444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 27
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-286-926-27

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Query Match 100.0%; Score 2364; DB 14; Length 484;  
Best Local Similarity 100.0%; Pred. No. 1,5e-231;

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Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1  MRKISNHGSLRVAKVAPLGLCVGFIVYAYIKMHRATATQAFSITRAAPGARWGOAH 60
Db      29  MRKISNHGSLRVAKVAPLGLCVGFIVYAYIKMHRATATQAFSITRAAPGARWGOAH 88
Qy      61  SPLGTADGHEVFYVGINFDAGSTGTRVHVFOFTRPREPTTLTHETFKAVKPGLSAYAD 120
Db      89  SPLGTADGHEVFYVGINFDAGSTGTRVHVFOFTRPREPTTLTHETFKAVKPGLSAYAD 148
Qy      121  VEKSAQIGIRELLDVAKODIPDFWKATPLVLRKATAGRLRLLPGEKAQKLQKVEVFKASP 180
Db      149  VEKSAQIGIRELLDVAKODIPDFWKATPLVLRKATAGRLRLLPGEKAQKLQKVEVFKASP 208
Qy      181  FLVDDCVSIMGNDDEGVSAWITINPLTGLSKTPGSSVGMDDLGGSTQIAFLPREVGT 240
Db      209  FLVDDCVSIMGNDDEGVSAWITINPLTGLSKTPGSSVGMDDLGGSTQIAFLPREVGT 268
Qy      241  LQASPPGYLTALRMFNRTYKLYSYSLGIGMSARLAILGVEGQAPKDGKELVSPCLSP 300
Db      269  LQASPPGYLTALRMFNRTYKLYSYSLGIGMSARLAILGVEGQAPKDGKELVSPCLSP 328
Qy      301  SFKGEWEHAEVTVRVSGOKAASLHELCAARVSEVLQNRVHRTBEVYKVDFFAFSYYYDL 360
Db      329  SFKGEWEHAEVTVRVSGOKAASLHELCAARVSEVLQNRVHRTBEVYKVDFFAFSYYYDL 388
Qy      361  AAGVGLIDAEKGSLLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 420
Db      389  AAGVGLIDAEKGSLLVGDPEIAKAYVCRTLETQPOSSPSCMDLTVYSLLIQEFGFPRS 448
Qy      421  KVLKLRKIDNVTSMALGAIFFHYIDSLNRKSPAS 456
Db      449  KVLKLRKIDNVTSMALGAIFFHYIDSLNRKSPAS 484

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RESULT 3
US-10-231-913-123
; Sequence 123, Application US/10231913
; Publication No. US20040005576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Paturajan, Meera
; APPLICANT: Casman, Richard A.
; APPLICANT: Maayanke, Uriel M.
; APPLICANT: Tchernev, Vellizar T.
; APPLICANT: Verne, Corine A.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Edinger, Schlomit
; APPLICANT: Peyman, John A.
; APPLICANT: Stone, David J.
; APPLICANT: Ellerman, Karen
; APPLICANT: Gangoli, Bisha A.
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Liu, Xiaotong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Zerhusen, Bryan D.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-216
; CURRENT APPLICATION NUMBER: US/10/231,913
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/251,660
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/255,029
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/260,326
; PRIOR FILING DATE: 2001-01-08

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PRIOR APPLICATION NUMBER: 60/263,800  
 PRIOR FILING DATE: 2001-01-24  
 PRIOR APPLICATION NUMBER: 60/269,942  
 PRIOR FILING DATE: 2001-02-20  
 PRIOR APPLICATION NUMBER: 60/286,183  
 PRIOR FILING DATE: 2001-04-24  
 PRIOR APPLICATION NUMBER: 60/313,627  
 PRIOR FILING DATE: 2001-08-20  
 PRIOR APPLICATION NUMBER: 60/318,712  
 PRIOR FILING DATE: 2001-09-12  
 NUMBER OF SEQ ID NOS: 292  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 123  
 LENGTH: 484  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-231-913-123

Query Match 100.0%; Score 2364; DB 15; Length 484;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-231;  
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHSGLRVAKAVPLGLCVGVFIYVAYIKMHRATATQAFPSITRAAPGARWGQAH 60  
 DB 29 MRKISNHSGLRVAKAVPLGLCVGVFIYVAYIKMHRATATQAFPSITRAAPGARWGQAH 88  
 QY 61 SPLGTADGHEVEFYGMFDAGSTGTRVHVFOFTRPREPTLTTHETFAVKPGLSAYADD 120  
 DB 89 SPLGTADGHEVEFYGMFDAGSTGTRVHVFOFTRPREPTLTTHETFAVKPGLSAYADD 148  
 QY 121 VEKSAOGIRELLDVAKODIPDFWKATPLVVKATAGRLIPGKAKQLQKVEYFKASP 180  
 DB 149 VEKSAOGIRELLDVAKODIPDFWKATPLVVKATAGRLIPGKAKQLQKVEYFKASP 208  
 QY 181 FLVGGDCVSIKMGDDEGVSAWITINFLTGSLSKTPGSSVGMULDGGGSTQIAFLPRVEGT 240  
 DB 209 FLVGGDCVSIKMGDDEGVSAWITINFLTGSLSKTPGSSVGMULDGGGSTQIAFLPRVEGT 268  
 QY 241 LQASPPGYLTALRMFNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 300  
 DB 269 LQASPPGYLTALRMFNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 328  
 QY 301 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 360  
 DB 329 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 388  
 QY 361 AAGVGLIDAEKGGSLVVDGFEIAKTYCRLETQOSSPFSQMDLTVYSLLQEFGFPFS 420  
 DB 389 AAGVGLIDAEKGGSLVVDGFEIAKTYCRLETQOSSPFSQMDLTVYSLLQEFGFPFS 448  
 QY 421 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 466  
 DB 449 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 484

RESULT 4  
 US-10-231-913-36  
 Sequence 36, Application US/10231913  
 Publication No. US20040005576A1  
 GENERAL INFORMATION:  
 APPLICANT: Guo, Xiaojia S.  
 APPLICANT: Li, Li  
 APPLICANT: Patturajan, Meera  
 APPLICANT: Shimbets, Richard A.  
 APPLICANT: Caeman, Stacie J.  
 APPLICANT: Malyankar, Uziel M.  
 APPLICANT: Tcherenev, Vellizar T.  
 APPLICANT: Verne, Corine A.  
 APPLICANT: Spytek, Kimberly A.  
 APPLICANT: Shenoy, Suresh G.  
 APPLICANT: Alsobrook II, John P.  
 APPLICANT: Edinger, Schlomit  
 APPLICANT: Peyman, John A.

APPLICANT: Stone, David J.  
 APPLICANT: Ellerman, Karen  
 APPLICANT: Gangolli, Esha A.  
 APPLICANT: Boidog, Terence J.  
 APPLICANT: Colman, Steven D.  
 APPLICANT: Eissen, Andrew J.  
 APPLICANT: Liu, Xiaohong  
 APPLICANT: Padigaru, Muralidhara  
 APPLICANT: Spaderna, Steven K.  
 APPLICANT: Zethuesen, Bryan D.  
 TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
 FILE REFERENCE: 21402-216  
 CURRENT APPLICATION NUMBER: US/10/231,913  
 PRIOR FILING DATE: 2002-08-30  
 PRIOR APPLICATION NUMBER: 60/251,660  
 PRIOR FILING DATE: 2000-12-06  
 PRIOR APPLICATION NUMBER: 60/255,029  
 PRIOR FILING DATE: 2000-12-12  
 PRIOR APPLICATION NUMBER: 60/260,326  
 PRIOR FILING DATE: 2001-01-08  
 PRIOR APPLICATION NUMBER: 60/263,800  
 PRIOR FILING DATE: 2001-01-24  
 PRIOR APPLICATION NUMBER: 60/269,942  
 PRIOR FILING DATE: 2001-02-20  
 PRIOR APPLICATION NUMBER: 60/286,183  
 PRIOR FILING DATE: 2001-04-24  
 PRIOR APPLICATION NUMBER: 60/313,627  
 PRIOR FILING DATE: 2001-08-20  
 PRIOR APPLICATION NUMBER: 60/318,712  
 NUMBER OF SEQ ID NOS: 292  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 36  
 LENGTH: 467  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-231-913-36

Query Match 99.9%; Score 2361; DB 15; Length 467;  
 Best Local Similarity 99.8%; Pred. No. 2.9e-231;  
 Matches 455; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRKISNHSGLRVAKAVPLGLCVGVFIYVAYIKMHRATATQAFPSITRAAPGARWGQAH 60  
 DB 12 MRKISNHSGLRVAKAVPLGLCVGVFIYVAYIKMHRATATQAFPSITRAAPGARWGQAH 71  
 QY 61 SPLGTADGHEVEFYGMFDAGSTGTRVHVFOFTRPREPTLTTHETFAVKPGLSAYADD 120  
 DB 72 SPLGTADGHEVEFYGMFDAGSTGTRVHVFOFTRPREPTLTTHETFAVKPGLSAYADD 131  
 QY 121 VEKSAOGIRELLDVAKODIPDFWKATPLVVKATAGRLIPGKAKQLQKVEYFKASP 180  
 DB 132 VEKSAOGIRELLDVAKODIPDFWKATPLVVKATAGRLIPGKAKQLQKVEYFKASP 191  
 QY 181 FLVGGDCVSIKMGDDEGVSAWITINFLTGSLSKTPGSSVGMULDGGGSTQIAFLPRVEGT 240  
 DB 192 FLVGGDCVSIKMGDDEGVSAWITINFLTGSLSKTPGSSVGMULDGGGSTQIAFLPRVEGT 251  
 QY 241 LQASPPGYLTALRMFNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 300  
 DB 252 LQASPPGYLTALRMFNRTYKLYSYSLGLGMSARLALIGVEGQAPADGKEIVSPCLSP 311  
 QY 301 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 360  
 DB 312 SFKGEWEHAETVTVRSQKAAASLHELCAARVSEVLQNRVHRTBEVKHVDFAFSYYDL 371  
 QY 361 AAGVGLIDAEKGGSLVVDGFEIAKTYCRLETQOSSPFSQMDLTVYSLLQEFGFPFS 420  
 DB 372 AAGVGLIDAEKGGSLVVDGFEIAKTYCRLETQOSSPFSQMDLTVYSLLQEFGFPFS 431  
 QY 421 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 466  
 DB 432 KVLKLRKIDNVETSMALGAIFHYIDSLNRQKSPAS 467

```
RESULT 5
US-10-231-913-124
; Sequence 124, Application US/10231913
; Publication No. US20040005576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Paturajan, Meera
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Edinger, Schlomit
; APPLICANT: Peyman, John A.
; APPLICANT: Stone, David J.
; APPLICANT: Billeman, Karen
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Zerhusen, Bryan D.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-216
; CURRENT APPLICATION NUMBER: US/10/231,913
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/251,660
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/255,029
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/260,326
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/263,800
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/269,942
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/286,183
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: 60/313,627
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/318,712
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 124
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-913-124

Query Match      99.7%; Score 2357; DB 15; Length 484;
Best Local Similarity 99.6%; Freq. No. 7, 9e-231;
Matches 454; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRKISNHSGLRVAKVAVPYGLGCVGFYVAYIKMHRATATQAFSITRAAPGARWQDAH 60
DB      29 MRKISNHSGLRVAKVAVPYGLGCVGFYVAYIKMHRATATQAFSITRAAPGARWQDAH 88
QY      61 SPGLTADDEHVEVYVYGMFDAGSTGRVAVFOFTRPPEPTLTTHETFAKVRGSLAVYDD 120
DB      89 SPGLTADDEHVEVYVYGMFDAGSTGRVAVFOFTRPPEPTLTTHETFAKVRGSLAVYDD 148
QY      121 VESAGAGIRELLDVAQDIPDFPWKATPLVLTAKTAGRLTLPGEKXOKLQKVEFKXSP 180
DB      149 VESAGAGIRELLDVAQDIPDFPWKATPLVLTAKTAGRLTLPGEKXOKLQKVEFKXSP 208
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QY      181 FLVGDCCVSTNNGTDECVSAMITTNFLTGSIKTPGSSVGMLDUGGSQTQIAFLPVEGT 240
DB      209 FLVGDCCVSTNNGTDECVSAMITTNFLTGSIKTPGSSVGMLDUGGSQTQIAFLPVEGT 268
QY      241 LQASPPGYLTALRNFNNTYKLSYSYGLGMSARLAILGVBGQPAKDKELVSPCLSP 300
DB      269 LQASPPGYLTALRNFNNTYKLSYSYGLGMSARLAILGVBGQPAKDKELVSPCLSP 328
QY      301 SPKGEHEAEVTVVSGOKAASLHEICARVSEVLONRVHRFBEVYHVDFFYAFSYDDL 360
DB      329 SPKGEHEAEVTVVSGOKAASLHEICARVSEVLONRVHRFBEVYHVDFFYAFSYDDL 388
QY      361 AAGVGLDAEKGSGLVWGDEFEIAKVCRTLETQPOSSPSCMDLTYSLLIQEFGPRS 420
DB      389 AAGVGLDAEKGSGLVWGDEFEIAKVCRTLETQPOSSPSCMDLTYSLLIQEFGPRS 448
QY      421 KVLKTRKIDNVTSMALGAI FHYTDSLNFQKSPAS 456
DB      449 KVLKTRKIDNVTSMALGAI FHYTDSLNFQKSPAS 484

RESULT 6
US-10-231-913-38
; Sequence 38, Application US/10231913
; Publication No. US20040005576A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia S.
; APPLICANT: Li, Li
; APPLICANT: Paturajan, Meera
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Edinger, Schlomit
; APPLICANT: Peyman, John A.
; APPLICANT: Stone, David J.
; APPLICANT: Billeman, Karen
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Boldog, Ference L.
; APPLICANT: Colman, Steven D.
; APPLICANT: Eisen, Andrew J.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Zerhusen, Bryan D.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-216
; CURRENT APPLICATION NUMBER: US/10/231,913
; CURRENT FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/251,660
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/255,029
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/260,326
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/263,800
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/269,942
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/286,183
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: 60/313,627
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/318,712
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
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Sun Aug 22 10:04:42 2004

us-09-905-589a-2.rapb

Page 5

LENGTH: 446  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-38

Query Match 89.5%; Score 2116; DB 15; Length 446;  
Best Local Similarity 91.0%; Pred. No. 2,5e-206;  
Matches 415; Conservative 1; Mismatches 2; Indels 38; Gaps 1;

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QY 1 MRKISNHSILRAKVAIPLGLCVGFIVYAIKMRHATATQAFSITRAAPGARMGQAH 60
DB 29 MRKISNHSILRAVAV-----ARMGQAH 50
QY 61 SPLGTADGHEVYVYIMFDAGSTGTRVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
DB 51 SPLGTADGHEVYVYIMFDAGSTGTRVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 110
QY 121 VEKSAQGIREFLLDVAKODIPDFWKATPLVKATAGRLPLPGKAQKLLQYKVEFKASP 180
DB 111 VEKSAQGIREFLLDVAKODIPDFWKATPLVKATAGRLPLPGKAQKLLQYKVEFKASP 170
QY 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSUKTPGGSSVGMLDLGGGSTQIAFLPRVEGT 240
DB 171 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSUKTPGGSSVGMLDLGGGSTQIAFLPRVEGT 230
QY 241 LQASPPGYLTALRMENRTYKLYSYVYGLGIMSARLALIGVYEQPAKDGKELVSPCLSP 300
DB 231 LQASPPGYLTALRMENRTYKLYSYVYGLGIMSARLALIGVYEQPAKDGKELVSPCLSP 290
QY 301 SFKGWEHAEVYTRVSGOKAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 360
DB 291 SFKGWEHAEVYTRVSGOKAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 350
QY 361 AAVGGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 420
DB 351 AAVGGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 410
QY 421 KVLKTRKIDNVTSMALGAIFFHYDSLNRQKSPAS 486
DB 411 KVLKTRKIDNVTSMALGAIFFHYDSLNRQKSPAS 446
```

RESULT 7  
US-10-231-913-125  
Sequence 125, Application US/10231913  
Publication No. US2004000576A1  
GENERAL INFORMATION:

APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patuturajan, Meera  
APPLICANT: Shinkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.  
APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schlomit  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Rilleman, Karen  
APPLICANT: Gangoli, Bata A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eisen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zeehusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231, 913

CURRENT FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 125  
LENGTH: 455  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-10-231-913-125

Query Match 87.3%; Score 2063.5; DB 15; Length 455;  
Best Local Similarity 86.6%; Pred. No. 5.8e-201;  
Matches 394; Conservative 27; Mismatches 33; Indels 1; Gaps 1;

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QY 1 MRKISNHSILRAKVAIPLGLCVGFIVYAIKMRHATATQAFSITRAAPGARMGQAH 60
DB 1 MRKIPNHTLMTKVAIPLGLCVGFIVYAIKMRHSAQAQFTIAGASGVRMTQAF 60
QY 61 SPLGTADGHEVYVYIMFDAGSTGTRVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
DB 61 SSPDATTGHEVYVYIMFDAGSTGTRVHVFQFTRPREPTLTHETFKAVKPGLSAYAD 120
QY 121 VEKSAQGIREFLLDVAKODIPDFWKATPLVKATAGRLPLPGKAQKLLQYKVEFKASP 180
DB 121 VEKSAQGIREFLLDVAKODIPDFWKATPLVKATAGRLPLPGKAQKLLQYKVEFKASP 180
QY 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSUKTPGGSSVGMLDLGGGSTQIAFLPRVEGT 240
DB 181 FLVGDCCVSIIMNGTDEGVSAWITINFLTGSUKTPGGSSVGMLDLGGGSTQIAFLPRVEGT 240
QY 241 LQASPPGYLTALRMENRTYKLYSYVYGLGIMSARLALIGVYEQPAKDGKELVSPCLSP 300
DB 241 LQASPPGYLTALRMENRTYKLYSYVYGLGIMSARLALIGVYEQPAKDGKELVSPCLSP 300
QY 301 SFKGWEHAEVYTRVSGOKAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 360
DB 301 SFKGWEHAEVYTRVSGOKAASLHBLCAARVSEVLQNRVHRTVEYKVDFAFSYYDL 359
QY 361 AAVGGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 420
DB 361 AAVGGLDAEKGGSLVGDDEFLIAKYVCRTLETQPOSSPFCMDLTYVSLILOEFGFPRS 419
QY 421 KVLKTRKIDNVTSMALGAIFFHYDSLNRQKSPAS 455
DB 420 KVLKTRKIDNVTSMALGAIFFHYDSLNRQKSPAS 454
```

RESULT 8  
US-10-231-913-271  
Sequence 271, Application US/10231913  
Publication No. US2004000576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patuturajan, Meera  
APPLICANT: Shinkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.

APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schiowitz  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gangolli, Esna A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zephusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
CURRENT FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 271  
LENGTH: 379  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-231-913-271

Query Match 82.7%; Score 1954; DB 15; Length 379;  
Best Local Similarity 99.7%; Pred. No. 6,3e-190;  
Matches 378; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
QY 71 EEFYGMFDPAGSTGTRVHVFQFTRPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRE 130  
DB 1 EEFYGMFDPAGSTGTRVHVFQFTRPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRE 60  
QY 131 LLDVAKODIPDFWKATPVLKATAGRLIPGEKAKLIQKVEFKASPLVGDCCVSI 190  
DB 61 LLDVAKODIPDFWKATPVLKATAGRLIPGEKAKLIQKVEFKASPLVGDCCVSI 120  
QY 191 MNGTDEVSAMITINFLTSGSLKTPGGSSVGMIDLGGSTQIAFLPVEGTLQASPGYLT 250  
DB 121 MNGTDEVSAMITINFLTSGSLKTPGGSSVGMIDLGGSTQIAFLPVEGTLQASPGYLT 180  
QY 251 ALRMFNRTYKLYSYSLGLGMSARLAIIGVEGQPAKDKELVSPCLSPFKGEMERAE 310  
DB 181 ALRMFNRTYKLYSYSLGLGMSARLAIIGVEGQPAKDKELVSPCLSPFKGEMERAE 240  
QY 311 VYRVSGQKAAASHLCAARVSEVONVRHREBEKNDFAFSYYNLAGVGLIDAE 370  
DB 241 VYRVSGQKAAASHLCAARVSEVONVRHREBEKNDFAFSYYNLAGVGLIDAE 300  
QY 371 KGGSLVVGDFELAKTVCRLETOPSSPFSQMDLTVVSLILOEFGFPRSKYLKLTREKID 430  
DB 301 KGGSLVVGDFELAKTVCRLETOPSSPFSQMDLTVVSLILOEFGFPRSKYLKLTREKID 360

QY 431 NVEISMALGALFHYIDSUN 449  
DB 361 NVEISMALGALFHYIDSUN 379

RESULT 9  
US-10-231-913-126  
Sequence 126, Application US/10231913  
Publication No. US20040005576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera  
APPLICANT: Shimketers, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.  
APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schiowitz  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gangolli, Esna A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zephusen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
CURRENT FILING DATE: 2002-08-30  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 126  
LENGTH: 427  
TYPE: PRT  
ORGANISM: Mus musculus  
US-10-231-913-126

Query Match 42.6%; Score 1007; DB 15; Length 427;  
Best Local Similarity 50.0%; Pred. No. 2,4e-93;  
Matches 213; Conservative 62; Mismatches 133; Indels 18; Gaps 6;  
QY 37 ATACGAFSTTRAPGA-----RMGC-----QAHSPGLTADGHEVFYGMFDPAGSTG 84  
DB 2 ATSWGAVFMILICVGSVTFYRQQTWFGSVFLSSMCPLIVSAG--TFYGMFDPAGSTG 58  
QY 85 TRVHVFQFT-RPPRETPTLTHETFKAVKPGLSAYADVEKSAQGTRELLDVAKODIPDFE 143  
DB 59 TRVHVFQGTGKAGPLFEGELFDSVKRGLSAFVQPKGATVQELLEVAADSIPRSH 118

QY 144 WKATPLVLTAKTAG:RLLPGEKQKLLQKXVEFKASPFIVGDDCVSINNKGTEGVSAMWT 203  
 Db 119 WETTPVVLKATAGRLRLPEKQKALLLEVEHEIRKSPFLVPDGSVIMNGSEGIAMWT 178  
 QY 204 INFLTSGSLKTPGGSSVGMULDGGSTQIAFLPRVSGTLQASPPGYLTALRMNRYKLYS 263  
 Db 179 VNFLLTQGLHGRGQETVGTLDLGASTQITFLPQFEKTLBQTPRGYLTSEFMNSTFKLYT 238  
 QY 264 YSVLGLGMSARLALIGVEGCGPAKDKELVSPCLSPSKGEMEHAEVRYRSGOAAAS 323  
 Db 239 HSTYGLGFLKARLATTGALAK- GTDGHTRFSACLPRMBAEMI FCGVYKQIGANQEGEM 297  
 QY 324 LHELCAARYSEVLQNRVTRTEVXHVDFAFSYYYDLAAGVGLDAKSGSLVWGDPEIA 383  
 Db 298 GFPPCYAEVLRVVGQKLHQPBEVRGSAFYAFSYYYDRADTHLIDEXGVKLVEDFERK 357  
 QY 384 AKVYCTLETQPOSSPFCMDLTYVSLLOE- FGFRSKYLKLTAKINDVETSMALGAF 442  
 Db 358 AREVCNMLGSSSGSPLCMVLTLYTALLKDGFGADGTLLOLTRKVNNIETGMALGATF 417  
 QY 443 HYIDSL 448  
 Db 418 HLQSL 423

## RESULT 10

US-10-091-085-3  
 / Sequence 3, Application US/10091085  
 / Publication No. US20020146772A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ford, John  
 / APPLICANT: Mulero, Julio  
 / TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 / FILE REFERENCE: 28110/35761  
 / CURRENT APPLICATION NUMBER: US/10/091,085  
 / CURRENT FILING DATE: 2002-03-05  
 / PRIOR APPLICATION NUMBER: 09/350,836  
 / PRIOR FILING DATE: 1999-07-09  
 / PRIOR APPLICATION NUMBER: 09/273,447  
 / PRIOR FILING DATE: 1999-03-19  
 / PRIOR APPLICATION NUMBER: 09/118,205  
 / PRIOR FILING DATE: 1998-07-16  
 / PRIOR APPLICATION NUMBER: 09/122,449  
 / PRIOR FILING DATE: 1998-07-24  
 / PRIOR APPLICATION NUMBER: 09/244,444  
 / PRIOR FILING DATE: 1999-02-04  
 / NUMBER OF SEQ ID NOS: 23  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO 3  
 / LENGTH: 428  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-091-085-3

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1,6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;  
 QY 62 PLGTADGHEVYFYGIMPDAGSTGTRVHFOFT-RPPREPTLTHETFKAVKPLSAVAD 120  
 Db 40 PINVSA---STLYGIMPDAGSTGTRIHVYTFVQKMPQGLPILLEGVDSVXPGLSAFVDQ 96  
 QY 121 VEKSAQGIREFLDVAKODIPDFWKATPLVLTAKTAGRLRLPGEKQKLLQKXVEFKASP 180  
 Db 97 PKQGAETVQGLLEVAKDISPRSHMKTPVVLKATAGRLRLPEHKAQKALLFEVKEIRKSP 156  
 QY 181 FLVGDGCVSINNKGTEGVSAMITINFLTSGSLKTPGGSSVGMULDGGSTQIAFLPRVSGT 240  
 Db 157 FLVPGKSVSINDGSEGLIAMVTYNFLTGQLHGRQETVGTLDLGASTQITFLPQFEKT 216  
 QY 241 LQASPPGYLTALRMNRYKLYSYGLGMSARLALIGVEGCGPAKDKELVSPCLSP 300

Db 217 LEQTPRGYLTSEFMNSTYKLYTYSYLGFGKARLALTGLALETE- GTDGHTRFSACLPR 275  
 QY 301 SPKGEWEHAETVYVSGQKAAASLHELCAARYSEVLQNRVTRTEVXHVDFEAFSYYYDL 360  
 Db 276 WLEAEWITGVKRYQGGQGBGEVGEFPCYAEVLRVVGQKLHQPBEVRGSAFYAFSYYYDR 335  
 QY 361 AAGVGLDAKSGSLVWGDPEIAKRYCTLETQPOSSPFCMDLTYVSLLOE- FGFRPR 419  
 Db 336 AVDTMDIDYEGGILKVEDFERKAREVCNMLNENFTSGSPFLCMVLTLYTALLKDGFGAD 395  
 QY 420 SKYLKLTAKINDVETSMALGAFHYIDSL 448  
 Db 396 STVLTQLTRKVNNIETGMALGATFHLQSL 424

## RESULT 11

US-10-091-085-5  
 / Sequence 5, Application US/10091085  
 / Publication No. US20020146772A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ford, John  
 / APPLICANT: Mulero, Julio  
 / TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
 / FILE REFERENCE: 28110/35761  
 / CURRENT APPLICATION NUMBER: US/10/091,085  
 / CURRENT FILING DATE: 2002-03-05  
 / PRIOR APPLICATION NUMBER: 09/350,836  
 / PRIOR FILING DATE: 1999-07-09  
 / PRIOR APPLICATION NUMBER: 09/273,447  
 / PRIOR FILING DATE: 1999-03-19  
 / PRIOR APPLICATION NUMBER: 09/118,205  
 / PRIOR FILING DATE: 1998-07-16  
 / PRIOR APPLICATION NUMBER: 09/122,449  
 / PRIOR FILING DATE: 1998-07-24  
 / PRIOR APPLICATION NUMBER: 09/244,444  
 / PRIOR FILING DATE: 1999-02-04  
 / NUMBER OF SEQ ID NOS: 23  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO 5  
 / LENGTH: 428  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-091-085-5

Query Match 42.3%; Score 999; DB 13; Length 428;  
 Best Local Similarity 52.4%; Pred. No. 1,6e-92;  
 Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;  
 QY 62 PLGTADGHEVYFYGIMPDAGSTGTRVHFOFT-RPPREPTLTHETFKAVKPLSAVAD 120  
 Db 40 PINVSA---STLYGIMPDAGSTGTRIHVYTFVQKMPQGLPILLEGVDSVXPGLSAFVDQ 96  
 QY 121 VEKSAQGIREFLDVAKODIPDFWKATPLVLTAKTAGRLRLPGEKQKLLQKXVEFKASP 180  
 Db 97 PKQGAETVQGLLEVAKDISPRSHMKTPVVLKATAGRLRLPEHKAQKALLFEVKEIRKSP 156  
 QY 181 FLVGDGCVSINNKGTEGVSAMITINFLTSGSLKTPGGSSVGMULDGGSTQIAFLPRVSGT 240  
 Db 157 FLVPGKSVSINDGSEGLIAMVTYNFLTGQLHGRQETVGTLDLGASTQITFLPQFEKT 216  
 QY 241 LQASPPGYLTALRMNRYKLYSYGLGMSARLALIGVEGCGPAKDKELVSPCLSP 300  
 Db 276 WLEAEWITGVKRYQGGQGBGEVGEFPCYAEVLRVVGQKLHQPBEVRGSAFYAFSYYYDR 335  
 QY 361 AAGVGLDAKSGSLVWGDPEIAKRYCTLETQPOSSPFCMDLTYVSLLOE- FGFRPR 419  
 Db 336 AVDTMDIDYEGGILKVEDFERKAREVCNMLNENFTSGSPFLCMVLTLYTALLKDGFGAD 395

QY 420 SKVLKTRKIDNVETSWALGAIHYIDSL 448  
Db 396 STVLQLTTRKVNIEETGALGATPHLLQSL 424

## RESULT 12

US-10-092-063-3  
Sequence 3, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
CURRENT FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-092-063-3

Query Match 42.3%; Score 999; DB 13; Length 428;  
Best Local Similarity 52.4%; Pred. No. 1,66-92;  
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTAADGHEVFGYIMFDAGSTGTRVHVPOFT-RPRREPTLTHETFKAVKPGLSAYADD 120  
Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPQQLILGEVVDVSKPGLSAFVDQ 96  
QY 121 VEKSAQIRELLDVAKODIPDFWKATPLVAKATAGRLILPGEKAKLLQKXEVFKASP 180  
Db 97 PKQGAETVQGLLEVAKDISPRSHWKTTPVLKATAGRLILPEKAKALLFEVKEIFRKPSP 156  
QY 181 FLVGDCCVSTINMGTDREVSAMITINFLTGLSKTPGSSVGMULDGGSGTOIAFLPRVEGT 240  
Db 157 FLVPRKGSVSTIMDSDBRILAMVTNPLTQGLHGRQETVGLDGGASTQITFLPQPEKT 216  
QY 241 LQASPPGYLTALMFNRTYKLYSYSLGLGMSARLAILGVEGQPAKDGKEIVSPCLSP 300  
Db 217 LEQTPRGVLTSPFEMFNSTYKLYTHSYLGFGLKARLALTIGALETE-GTGDHTRFSACLPR 275  
QY 301 SFKGEWEHAETTVRSQKAAASLHELCAARVSEVLQNRVHRTVEYKAVDFYAFSYTYDL 360  
Db 276 WLEAEWTFGGVKYQYGNQGEVGFEPVCAEVLRYVGRKLHOPEEYORGSFYAFSYTYDR 335  
QY 361 AAGVGLIDAEKGSLLVGDPEFIAKAVYCRLETOPQSPSPSCMDLTVVSLLOE-FGFPR 419  
Db 336 AVTDMIDYRKGLIKVEDFERKARVCDNLENFTSGSPFLCNDLSYITALLKDGFGFPAD 395  
QY 420 SKVLKTRKIDNVETSWALGAIHYIDSL 448  
Db 396 STVLQLTTRKVNIEETGALGATPHLLQSL 424

RESULT 13  
US-10-092-063-5

Sequence 5, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
CURRENT FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-092-063-5

Query Match 42.3%; Score 999; DB 13; Length 428;  
Best Local Similarity 52.4%; Pred. No. 1,66-92;  
Matches 204; Conservative 56; Mismatches 123; Indels 6; Gaps 4;

QY 62 PLGTAADGHEVFGYIMFDAGSTGTRVHVPOFT-RPRREPTLTHETFKAVKPGLSAYADD 120  
Db 40 PINVSA---STLYGIMFDAGSTGTRIHVYTFVQKMPQQLILGEVVDVSKPGLSAFVDQ 96  
QY 121 VEKSAQIRELLDVAKODIPDFWKATPLVAKATAGRLILPGEKAKLLQKXEVFKASP 180  
Db 97 PKQGAETVQGLLEVAKDISPRSHWKTTPVLKATAGRLILPEKAKALLFEVKEIFRKPSP 156  
QY 181 FLVGDCCVSTINMGTDREVSAMITINFLTGLSKTPGSSVGMULDGGSGTOIAFLPRVEGT 240  
Db 157 FLVPRKGSVSTIMDSDBRILAMVTNPLTQGLHGRQETVGLDGGASTQITFLPQPEKT 216  
QY 241 LQASPPGYLTALMFNRTYKLYSYSLGLGMSARLAILGVEGQPAKDGKEIVSPCLSP 300  
Db 217 LEQTPRGVLTSPFEMFNSTYKLYTHSYLGFGLKARLALTIGALETE-GTGDHTRFSACLPR 275  
QY 301 SFKGEWEHAETTVRSQKAAASLHELCAARVSEVLQNRVHRTVEYKAVDFYAFSYTYDL 360  
Db 276 WLEAEWTFGGVKYQYGNQGEVGFEPVCAEVLRYVGRKLHOPEEYORGSFYAFSYTYDR 335  
QY 361 AAGVGLIDAEKGSLLVGDPEFIAKAVYCRLETOPQSPSPSCMDLTVVSLLOE-FGFPR 419  
Db 336 AVTDMIDYRKGLIKVEDFERKARVCDNLENFTSGSPFLCNDLSYITALLKDGFGFPAD 395  
QY 420 SKVLKTRKIDNVETSWALGAIHYIDSL 448  
Db 396 STVLQLTTRKVNIEETGALGATPHLLQSL 424

RESULT 14  
US-10-286-926-3  
Sequence 3, Application US/10286926  
Publication No. US20030175752A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
APPLICANT: Yeung, George  
TITLE OF INVENTION: Methods and Materials Relating to CD39-Like



```

? TITLE OF INVENTION: Polypeptides
? FILE REFERENCE: 28110/36457COM
? CURRENT APPLICATION NUMBER: US/10/286,926
? CURRENT FILING DATE: 2002-11-01
? PRIOR APPLICATION NUMBER: 09/557,800
? PRIOR FILING DATE: 2000-04-25
? PRIOR APPLICATION NUMBER: 09/481,238
? PRIOR FILING DATE: 2000-01-11
? PRIOR APPLICATION NUMBER: 09/370,265
? PRIOR FILING DATE: 1999-08-09
? PRIOR APPLICATION NUMBER: PCT/US99/16180
? PRIOR FILING DATE: 1999-07-16
? PRIOR APPLICATION NUMBER: 09/350836
? PRIOR FILING DATE: 1999-07-09
? PRIOR APPLICATION NUMBER: 09/273447
? PRIOR FILING DATE: 1999-03-19
? PRIOR APPLICATION NUMBER: 09/122449
? PRIOR FILING DATE: 1998-07-24
? PRIOR APPLICATION NUMBER: 09/244444
? PRIOR FILING DATE: 1999-02-04
? PRIOR APPLICATION NUMBER: 09/119,205
? PRIOR FILING DATE: 1998-07-16
? NUMBER OF SEQ ID NOS: 54
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 3
? LENGTH: 428
? TYPE: PRT
? ORGANISM: Homo sapiens
US-10-286-926-3

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Query Match	Similarity	42.3%	Score 999	DB 14	Length 428
Best Local	Similarity	52.4%	Pred. No. 1,6e-92		
Matches	204	Conservative	56	Mismatches 123	Indels 6
					Gaps 4
QY	62	PLGTRADGHEVFLYGMIDPAGSTGTRVHVQFT-RRPRETPLTTHETFAVXKGLSAVAD	120		
DB	40	PIINVA---STLYGIMFPAAGSTGTRIHVYTVQXKPGQLPILEGVPDSVKGLSAFVQ	96		
QY	121	VEKAAGIRELD <sup>1</sup> DVAKODIPEDFWKATPLVYKATAGLFLLPGEKAKQLQKXVEYFKASP	180		
DB	97	PKQGEFLYQGLLEVAKXSI PRSHMKKTPEVLKATGLLLPBNKAKALLFEYKEIFRKS	156		
QY	181	FLVGGDDCYSTINMGDEGVASMITTNFLTGLSKTPGGSSVGM <sup>1</sup> LDIGGSQTQALPRVAGT	240		
DB	157	FLVKGGSYINDGSEGLAWTVYFLGQGHGRQREIVGTLDIGASTQITFTLPOPEKT	216		
QY	241	LOASPFGILTLRFNFRTYKLYSYSLDGLMSATLALGGVEGPAQDGELEVPCCSP	300		
DB	217	LEQTPRGILTSFEKFNSTYKLYTSHSYLQFGLKAAPLALGLALETE-GRDGHTRFRACLP	275		
QY	301	SFKEMHEAEVTTYRVSGQKAAASLHELCAARVSEYLVQNRVHRTBEEVKAVD <sup>1</sup> PFYASYYDL	360		
DB	276	WLEHEWFLPGYKYXGNGQGESEVGEPEPYAVALRVRRK <sup>1</sup> KLQPEVQGS <sup>1</sup> YFAFYYDR	335		
QY	361	AAGVGLIDAEKGSGLVGDPEFAAKYVCRTELETPOSSGSPFCMDITYSLQCE-FCGPR	419		
DB	336	AVDIDMDIEYKGLIKVEDFERKAREVDNLENFTSSGPFLLQMDSYITALLKQSGFAD	395		
QY	420	SKYKLTFRKIDNVETSNALG <sup>1</sup> IFHYIDL	448		
DB	396	STVLQTLTKVNNIETGMALGATPHLQSL	424		

RESULT 15

US-10-286-926-5

Sequence 5, Application US/10286926

Publication No. US2003017552A1

GENERAL INFORMATION:

APPLICANT: Ford, John

APPLICANT: Mulero, Julio

APPLICANT: Yeung, George

TITLE OF INVENTION: Methods and Materials Relating to CD39-Like

TITLE OF INVENTION: Polypeptides

```

1 FILE REFERENCE: 28110/36457CON
2 CURRENT APPLICATION NUMBER: US/10/286,926
3 CURRENT FILING DATE: 2002-11-01
4 PRIOR APPLICATION NUMBER: 09/557,800
5 PRIOR FILING DATE: 2000-04-25
6 PRIOR APPLICATION NUMBER: 09/481,238
7 PRIOR FILING DATE: 2000-01-11
8 PRIOR APPLICATION NUMBER: 09/370,265
9 PRIOR FILING DATE: 1999-08-09
10 PRIOR APPLICATION NUMBER: PCT/US99/16180
11 PRIOR FILING DATE: 1999-07-16
12 PRIOR APPLICATION NUMBER: 08/350836
13 PRIOR FILING DATE: 1999-07-09
14 PRIOR APPLICATION NUMBER: 09/273447
15 PRIOR FILING DATE: 1999-03-19
16 PRIOR APPLICATION NUMBER: 09/122449
17 PRIOR FILING DATE: 1998-07-24
18 PRIOR APPLICATION NUMBER: 09/244444
19 PRIOR FILING DATE: 1998-02-04
20 PRIOR APPLICATION NUMBER: 09/118,205
21 PRIOR FILING DATE: 1998-07-16
22 NUMBER OF SEQ ID NOS: 54
23 SOFTWARE: PatentIn Ver. 2.0
24 SEQ ID NO 5
25 LENGTH: 428
26 TYPE: PRT
27 ORGANISM: Homo sapiens
28 US-10-286-926-5

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	Query Match	42.3%	Score 999;	DB 14;	Length 426;
	Best Local Similarity	52.4%	Pred. No. 1,66-92;		
	Matches 204;	Conservative 56;	Mismatches 123;	Indels 6;	Gaps 4;
QY	62	PLGTADGHEVFYGMFDAGSTGTRVHVFOFT-RPPREPTLTHETFRVXPGLSAYAD	120		
Db	40	PINSA---STLYGIMFEDAGSTGRTHIVYFVQMPQQLTLEEEVDSVXKGLSAFVDQ	96		
QY	121	VERSAQIRELLVYAKODIPDEFKATPEVLKXATAGRLPGEKACQLQWKEVEFASP	180		
Db	97	PKQAEIVQGLLEVAKDQSIPIRSHWKTTPVALKATAGRLRPERHAKALLVEVKSIPIRSP	156		
QY	181	FLVGGDCVSIIMNGTDEGVSAMITINFLTGSILKTPGGSSVGMULDIGSGSTQIAPLPRVEGT	240		
Db	157	FLVPKGSVSIIMDSDEGIILAMVATVNFITQGLHGRQTVGTLIDGASSTQITFLPQGEKI	216		
QY	241	LQASPEYILTALMPNRTYLYLSYSLIGLSMSRRLILGSGQAPKQGEKLSVPLSP	300		
Db	217	LEQTPRXYLTSFEMFNSTYKLYHNSYGFPLKARLTLTQALETE-OTDGTFRSACLPR	275		
QY	301	SFGMEWEHAETVRVSGOKAAASLHELCAARVSEVLONRVARTEEVAHVPFARSYYDL	360		
Db	276	WLEAFNIFGSKYKQXGNGCEGEVGFECYAEVLKRVKGLHQBPEVGRGSFYASYYDR	335		
QY	361	AAVGLIDKEGGSLLVGDPELAIKTYCYRFLTFQOSSPPSCMDLYVSLDGE-FGPPR	419		
Db	336	AVDTIMIDYKGGILKKEDEPERKAREVCNDLLENFTSGPFLCMLDSYITALLKDGFGFAD	395		
QY	420	SKVLKLTNRKLDNVETSGWALGAIFHYISL	448		
Db	396	STVQLTKKVNINLETGKMGALGATHTLLOSL	424		

Search completed: August 22, 2004, 09:50:39  
Job time : 129 secs

RESULT 15  
US-10-286-926-5  
; Sequence 5, Application US/10286926  
; Publication No.: US2003017572A1  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Mulero, Julio  
; APPLICANT: Yeung, George  
; TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
; TITLE OF INVENTION: Polypeptides

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